

Fig. 1

210 212 220 222 230 240 242 250 252 254 260 262 270 272 274 280 282

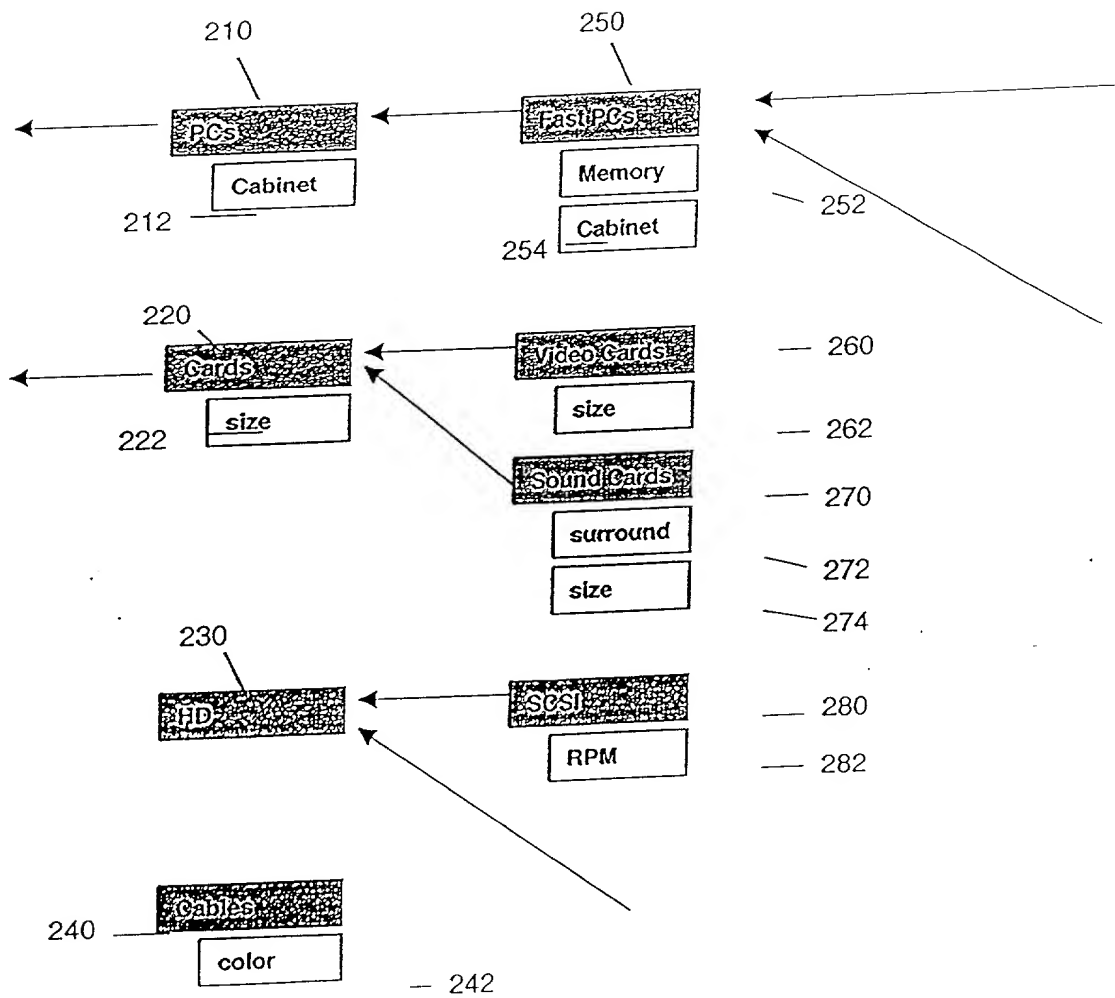


Fig. 2

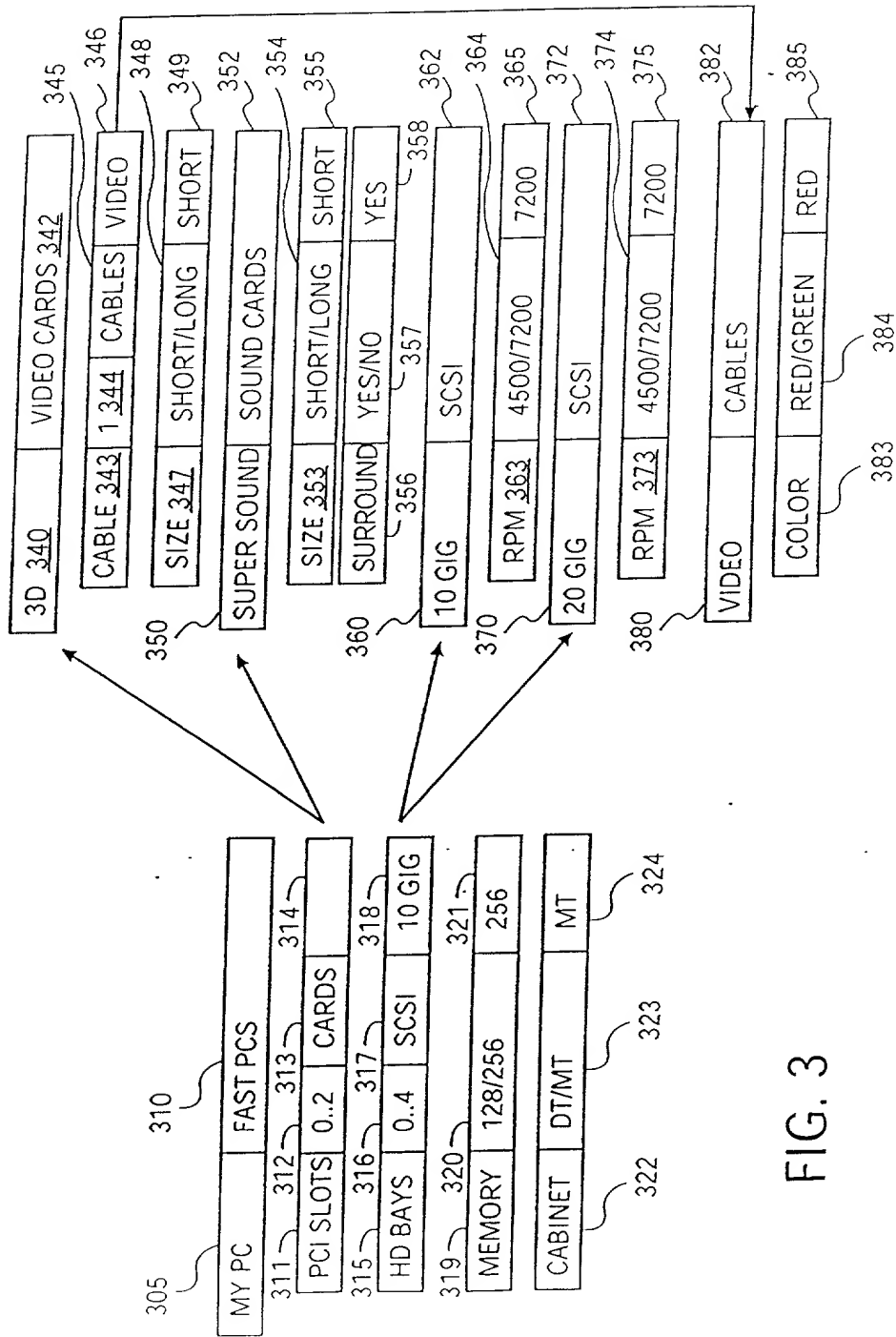


FIG. 3

Minimum Cardinality	Default Cardinality	Maximum Cardinality	System Adds Default Product?	User Pick Req'd?	Initial Solution	User Actions Allowed
=0	= Min Card	>Default Card	No	No	No items	Increase item quantities to Max Card
=0	> Min Card	=Default Card	No	No	N=Max Card	Decrease Item quantities to 0 but cannot increase them.
=0	> Min Card	>Default Card	No	No	N=Default Card	Increase item quantities to Max Card or decrease them to 0
>0	= Min Card	=Default Card	Yes	Yes	N=Min, Default, Max	Cannot increase or decrease item quantities.
>0	= Min Card	> Default Card	Yes	Yes	N=Min	Can increase item quantities to Max Card but cannot decrease them.
>0	> Min Card	= Default Card	Yes	Yes	N=Default	Can decrease item quantities to Min Card but cannot increase them
>0	> Min Card	>Default Card	Yes	Yes	N=Default	Can decrease item quantities to Min Card or increase item to Max Card

Fig. 4

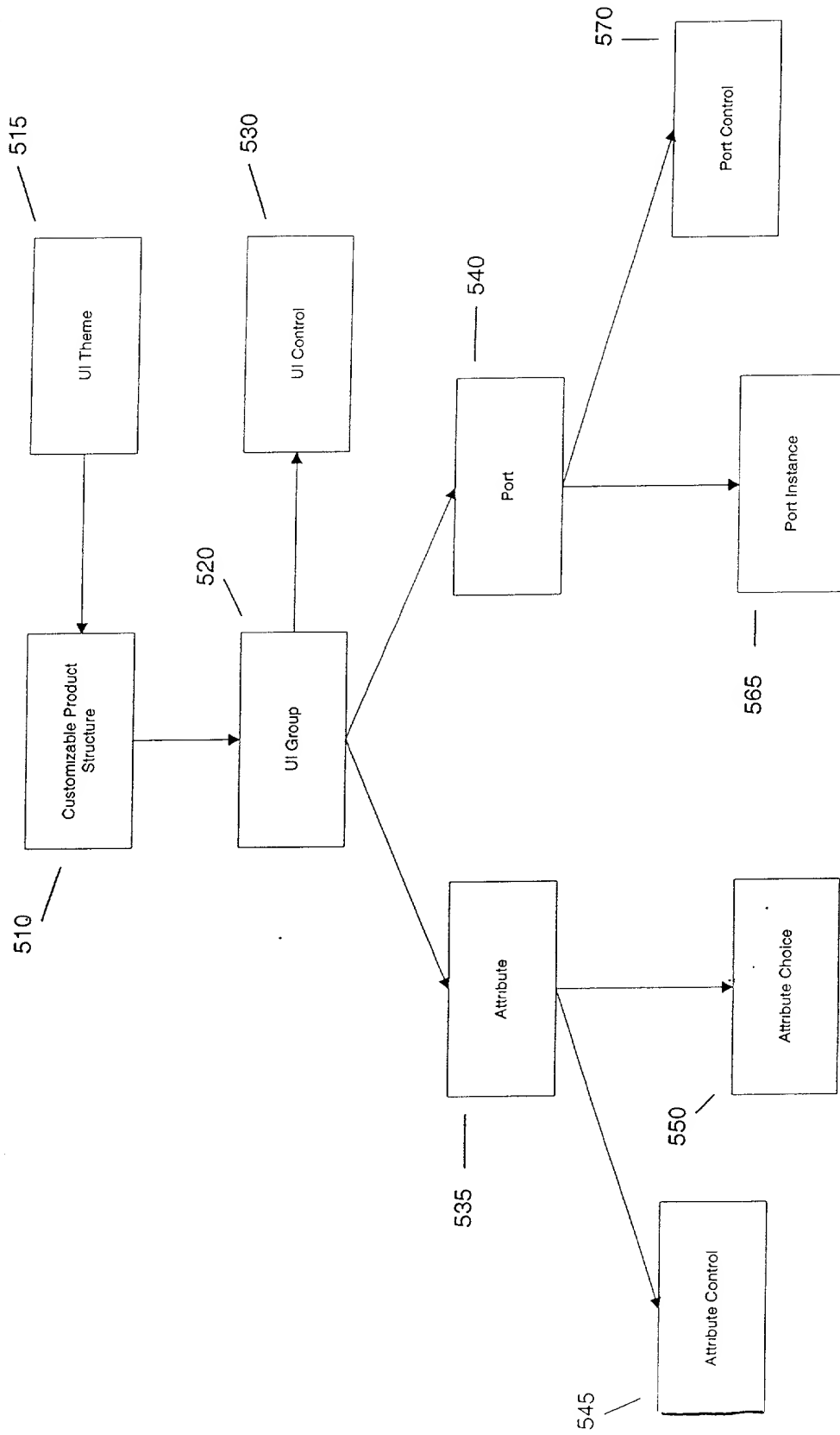


Fig. 5

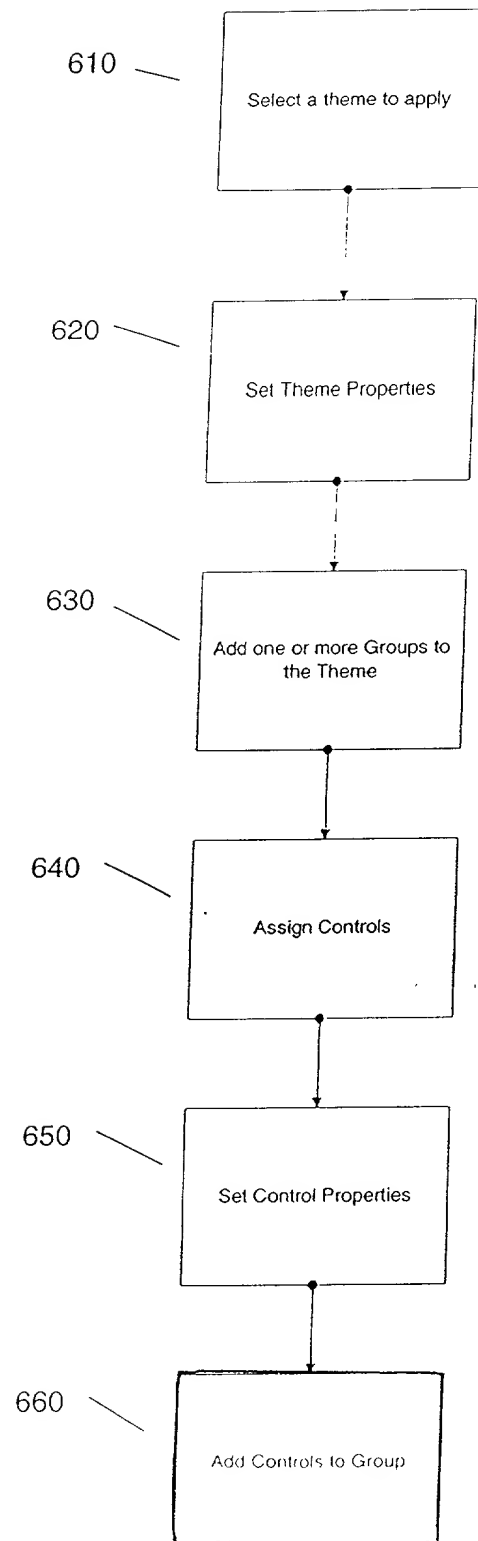


Fig. 6

FIG. 7 is a block diagram of a system architecture.

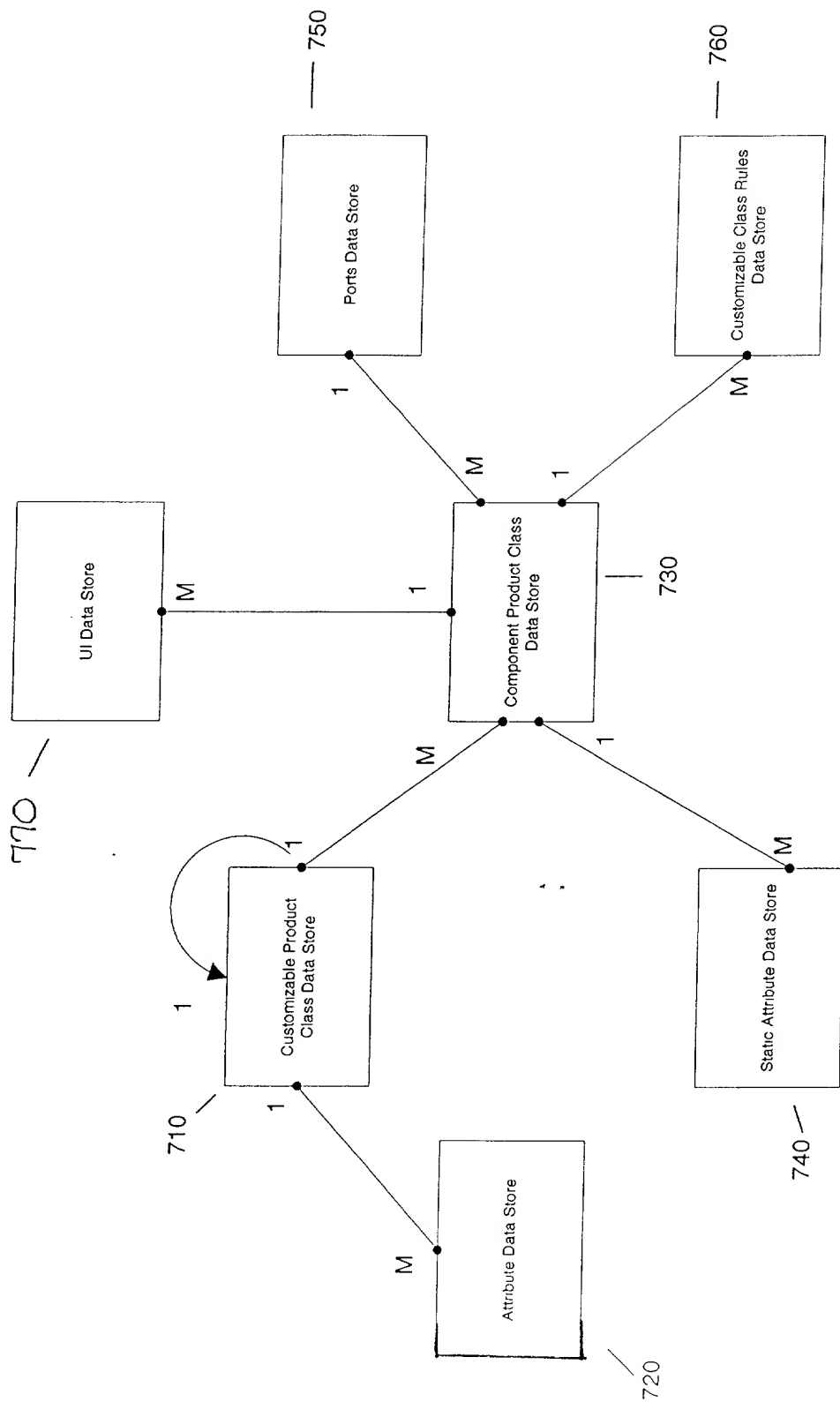


Fig. 7

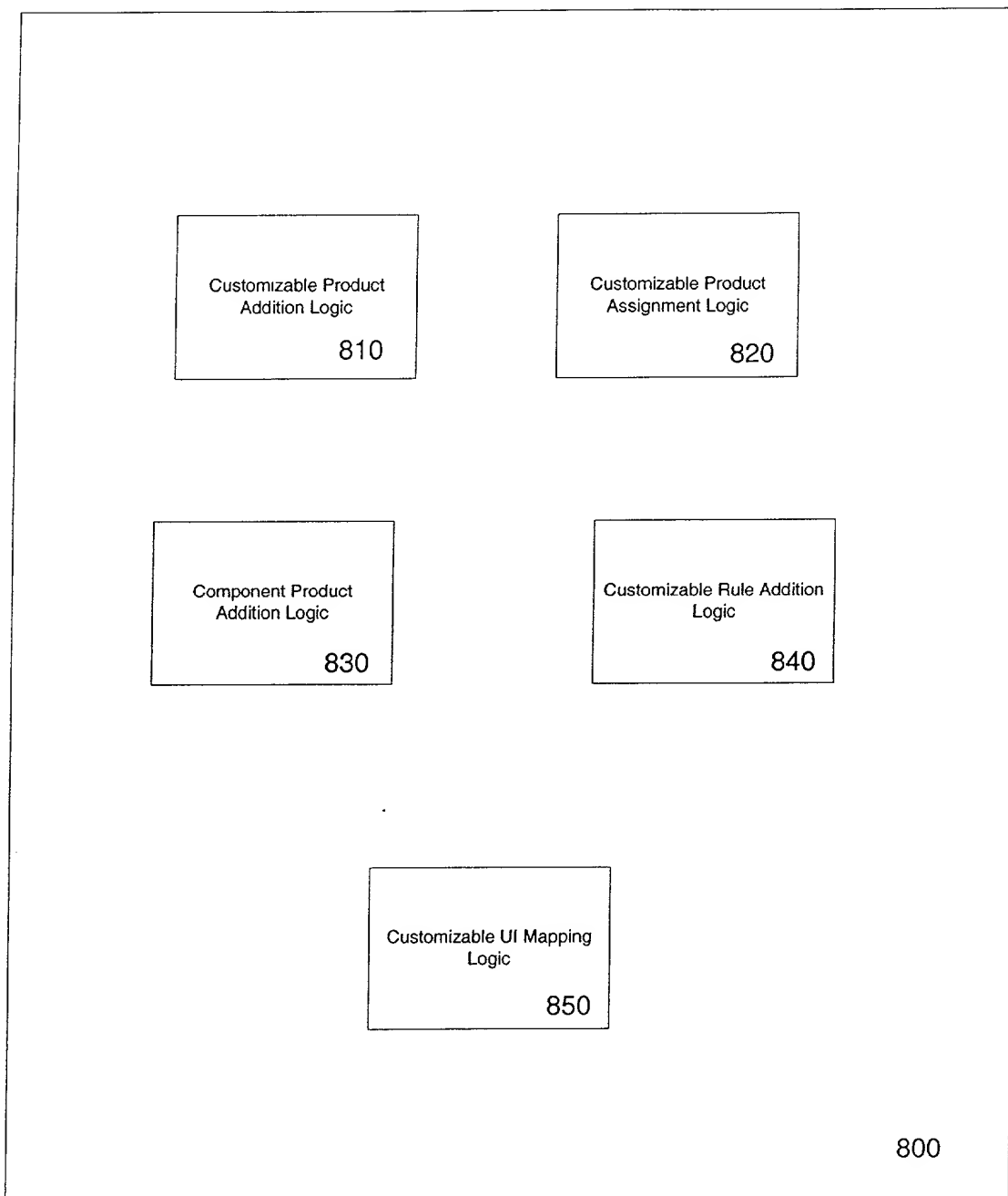


Fig. 8